

AEN SERIES

HIGH-EFFICIENCY MANUFACTURED HOME DOWNFLOW ELECTRIC FURNACE

FEATURES, BENEFITS, DIMENSIONS, & SPECIFICATIONS



Unit shown with service panels removed.
Representative image only. Some models may vary in appearance. Due to continuous product improvement, specifications are subject to change without notice.

APPLICATION VERSATILITY

One model that delivers 2 to 5 tons of cooling or heating airflow. Upflow (with MAD coil box) and downflow applications. Can be installed in closet and alcove.

MOTOR

Constant torque ECM speeds and torques are controlled by software embedded in the motor to maintain constant torque. Motors are pre-programmed at the factory. Direct drive blowers circulate air quietly and efficiently. Motor speeds and torques programmed in the motor. Blowers mounted on rails so they can be easily removed for service.

CABINET

Sturdy, galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place.

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available from 3 to 20 KW. Models with electric heat include sequencers and temperature limit switches for safe, efficient operation. Modules are easily installed in the field using molex plugs or can be ordered factory-installed. Controls are accessible from the front for easy service. Disconnect does not protrude through the wall panel.

ELECTRONIC CIRCUIT BOARD

Electronic circuit board provides 30 secs ON/OFF blower time delay extracting more heat/cool from the coil. Automotive pull-style fuse integrated into board for easy diagnosis and replacement of fuse.

WARRANTY Hassle-free five-year limited parts warranty. **OPTIONS** See options menu.



**WANT MORE INFORMATION ON ASPEN'S
AEN SERIES AIR HANDLERS?**

SCAN QR CODE TO VISIT THIS PRODUCT ON OUR WEBSITE



*For complete warranty details, please visit our Warranty Information tab when you visit Aspen's website.
To view this coil's product information online for the most up-to-date information scan the QR Code.*

In keeping with its commitment to continuous improvement, Aspen Manufacturing reserves the right to make changes without notice and incurring obligation. To stay up-to-date with this product and Aspen's trusted line of coils, air handlers, and more, go to our website. AEN-Spec-2025-04

HEATING/COOLING PERFORMANCE & ELECTRICAL DATA

MODEL	PERFORMANCE DATA						ELECTRICAL DATA			
	NOM. COOLING (BTU)	ELECTRIC HEAT KIT	HEATING (KW)		HEATING (KBTUH)		MIN. CIRCUIT AMPACITY (MCA2)		MAX. BREAKER OR FUSE SIZE (MEU2)	
			208V	240V	208V	240V	208V	240V	208V	240V
AEN	24,000 - 60,000	F(C,T)L00	0	0	0	0	6.8	6.8	15	15
		F(C,T)L03	2.3	3	7.8	10.2	20.3	22.4	25	25
		F(C,T)L05	3.6	4.8	12.6	16.4	28.4	31.8	30	35
		F(C,T)L08	6	8	20.4	27.3	42.8	48.4	45	50
		F(C,T)L10	7.2	9.6	24.5	32.8	50	56.8	50	60
		F(C,T)L15	10.8	14.4	38.5	49.1	50/21.6	56.8/25	50/25	60/25
		F(C,T)L20	14.4	19.2	49.1	65.5	50/43.3	56.8/50	50/45	60/50

BLOWER DATA

MODEL	ECM MOTOR				CFM VS EXTERNAL STATIC*				
	SPEED TAP	HP	AMP	VOLT	0.1	0.2	0.3	0.4	0.5
AEN	T1	3/4	5.4	240	940	850	795	740	640
	T2				1155	1070	1015	950	885
	T3				1375	1305	1255	1180	1127
	T4				1500	1430	1375	1315	1260
	T5				1850	1800	1760	1710	1650

AIR HANDLER CHASSIS NOMENCLATURE

AEN	OPTION CODE
	-001
240V CONSTANT TORQUE ECM MANUFACTURED ELECTRIC HOUSING FURNACE	OPTION CODE

ELECTRIC HEAT KIT NOMENCLATURE

HEAT KIT SERIES	POWER CONNECTION	CABINET SIZE & NOM. TON.	HEAT STRIP
F	C	L	03
ELECTRIC HEAT	C = CIRCUIT BREAKER T = TERMINAL BLOCK	L (LARGE)	00 = 0 KW 10 = 10 KW 03 = 3 KW 15 = 15 KW 05 = 5 KW 20 = 20 KW 08 = 8 KW

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SHIPPING SPECIFICATIONS (In.) - FIGURE 1		
MODEL	WEIGHT (LB)	SKID QTY
AEN	85	4

FIGURE 1

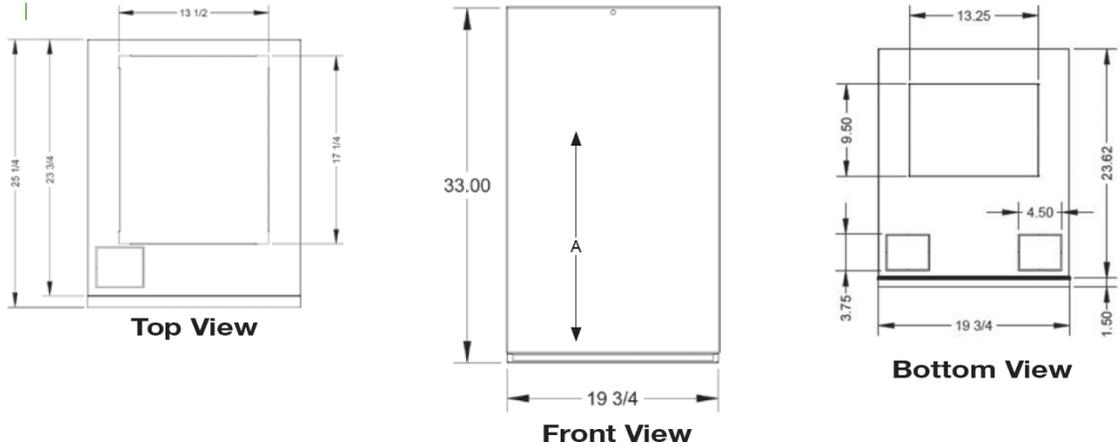
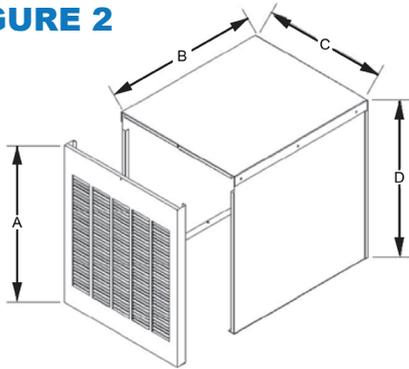


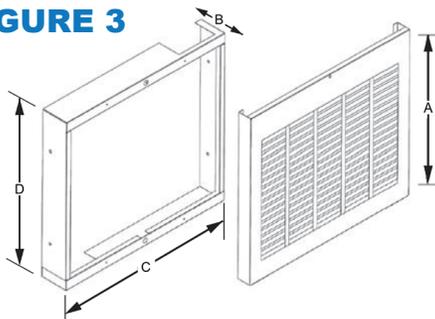
FIGURE 2



CABINET DIMENSIONS & SPECIFICATIONS (In.) - FIGURE 2

WHERE USED	PANEL MODEL	OPENING SIZE		PANEL SIZE	
		A	B	C	D
AEN	MAD-01(L)	18	23-1/2	19-3/4	18
AEN	MAD-02(L)	24			24
AEN	MAD-03(L)	36			36

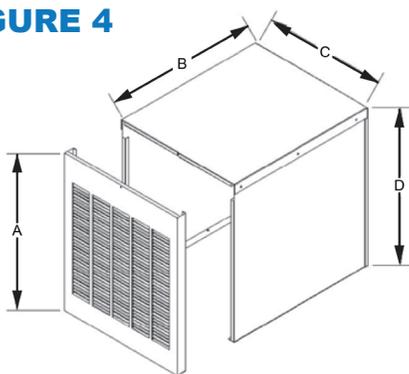
FIGURE 3



CABINET DIMENSIONS & SPECIFICATIONS (In.) - FIGURE 3

WHERE USED	PANEL MODEL	OPENING SIZE		PANEL SIZE	
		A	B	C	D
AEN	MAD-04(L)	24	3	19-3/4	24

FIGURE 4



CABINET DIMENSIONS & SPECIFICATIONS (In.) - FIGURE 4

PANEL MODEL	APPLICATION	A	B	C	D
MAD-07	DOWNFLOW COIL CABINET (FRONT RETURN)	24	23-1/2	19-3/4	24
MAD-08	UPFLOW COIL CABINET (BOTTOM RETURN)				
MAD-09	DOWNFLOW COIL CABINET (TOP RETURN)				

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